

PROPOSED LED SIGNALS

1,2,3,4,5, 6,7,8,9,10 11,12,13,14

R
Y
G

12"

16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNS

19 EAST
704
SHIELD ASSEMBLY (30"x51")

20 WEST
704
SHIELD ASSEMBLY (48"x75")

21 WEST
704
SHIELD ASSEMBLY (30"x51")

22 EAST
704
SHIELD ASSEMBLY (48"x75")

PROPOSED SIGNS

27 PUSH BUTTON TO CROSS MLK JR. HWY
START CROSSING WATCH FOR TURNING CARS
PORT START
FINISH CROSSING IF STARTED
TIME REMAINING TO CROSS
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

28 PUSH BUTTON TO CROSS JOHNSON AVENUE
START CROSSING WATCH FOR TURNING CARS
PORT START
FINISH CROSSING IF STARTED
TIME REMAINING TO CROSS
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

29 PUSH BUTTON TO CROSS JOHNSON AVENUE
START CROSSING WATCH FOR TURNING CARS
PORT START
FINISH CROSSING IF STARTED
TIME REMAINING TO CROSS
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

30 PUSH BUTTON TO CROSS JOHNSON AVENUE
START CROSSING WATCH FOR TURNING CARS
PORT START
FINISH CROSSING IF STARTED
TIME REMAINING TO CROSS
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

NEMA PHASING

02 04 06 08 08 ALT.

FLASHING OPERATION

NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

EXISTING SIGNS TO REMAIN

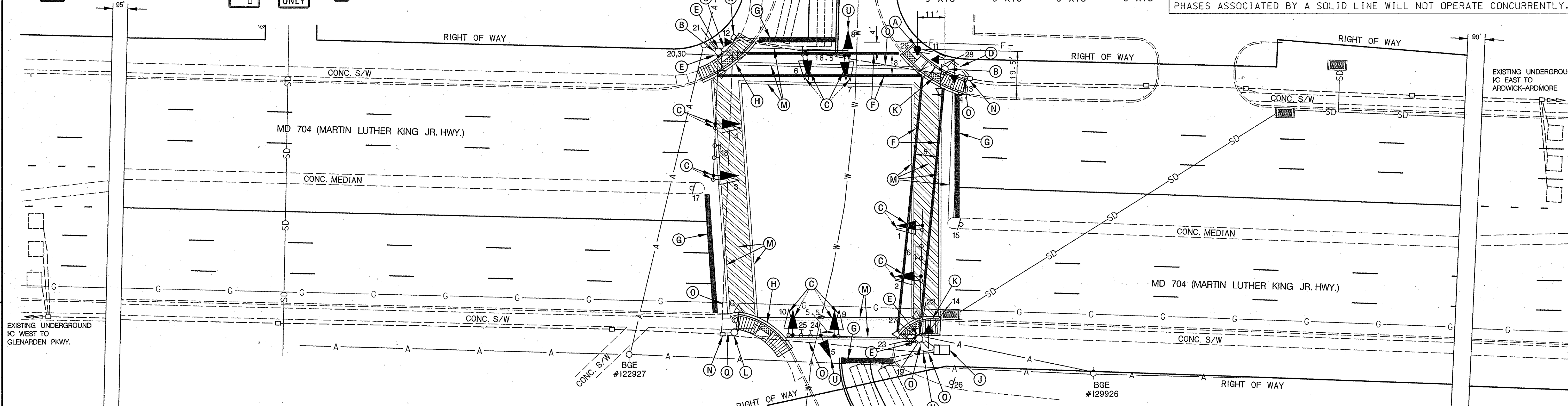
15,17 JOHNSON AVE

23 ONE WAY

24

25 ONLY

26 STOP



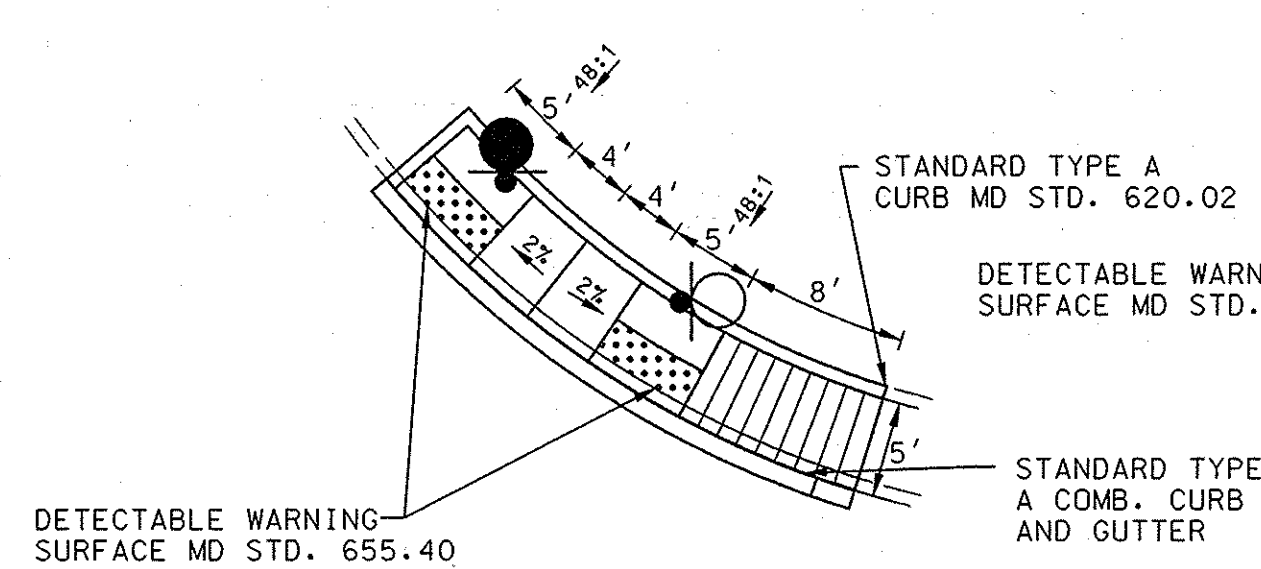
CONSTRUCTION DETAILS

- INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH SHA STD. MD 801.01 18 IN. DIAMETER FOUNDATION. ACCESSIBLE PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS MLK JR. HWY OR JOHNSON AVENUE" (NOTE: 1-3 INCH PVC 90 DEGREE BEND).
- REMOVE EXISTING PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD(S). INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS, R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS MLK JR. HWY OR JOHNSON AVENUE." AND ACCESSIBLE PEDESTRIAN PUSHBUTTON ON EXISTING SIGNAL POLE.
- REMOVE EXISTING VEHICULAR TRAFFIC SIGNAL HEAD AND INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEAD IN SAME LOCATION USING EXISTING WIRING.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL OVERHEAD SIGN.
- INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
- INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
- REMOVE EXISTING SIDEWALK RAMP AND CONSTRUCT SHA STD. MD 655.12 SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE SHA STD. MD 655.40.
- USE EXISTING BASE MOUNTED CABINET
- REMOVE EXISTING SIDEWALK RAMP AND CONSTRUCT SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE SHA STD. MD 655.40. SEE DETAIL THIS SHEET.
- REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- REMOVE EXISTING PAVEMENT MARKINGS.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- ABANDON EXISTING CONDUIT. CAP AT NEAREST HANDHOLE.
- INSTALL 85 FT. LONG 5 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- INSTALL 35 FT. LONG 5 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW.
- INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEAD.

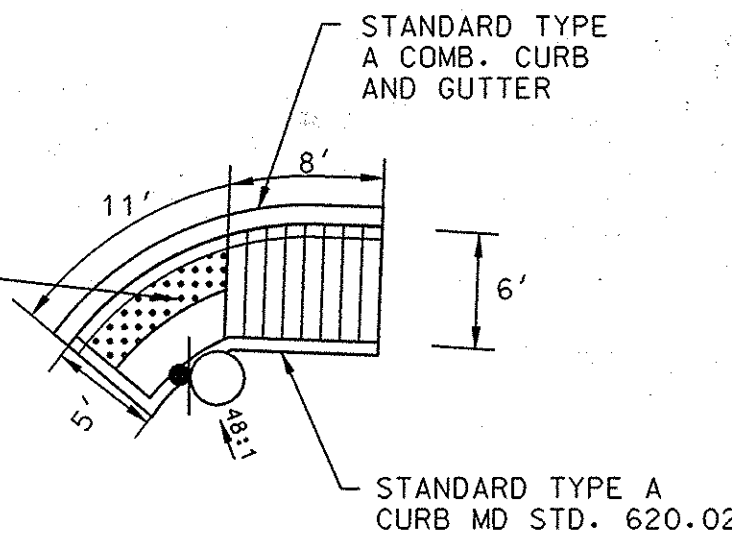
GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- THE EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON NEWLY CONSTRUCTED RAMPS.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSA STANDARDS.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2; AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC & SAFETY.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 IN. FROM A 60 IN. x 60 IN. LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
- ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-767-7650 TO COORDINATE.
- THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
- THE CONTRACTOR SHALL INTEGRATE PROPOSED/EXISTING CONCRETE FOUNDATIONS WITH NEW CURB/SIDEWALK RAMP WHERE NECESSARY.

NE SIDEWALK RAMP DETAIL (NOT TO SCALE)



SE SIDEWALK RAMP DETAIL (NOT TO SCALE)



SHA No: PG556A53/B53
TOD No: XX449-03
MD 704 @ Johnson Avenue

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 704 (MARTIN LUTHER KING JR. HIGHWAY)
AT JOHNSON AVENUE

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 6-1-87 CONTRACT NO. P-901-501-385

DESIGNED BY P.A.H. COUNTY PRINCE GEORGE'S
DRAWN BY S.CONROY LOGMILE 16070403.75
CHECKED BY D.DODA TMS NO. I-520
F.A.P. NO. TOD NO.

TS NO. 2357-A DRAWING SG - 01 OF 02 SHEET NO. 1 OF 2

STV Incorporated

engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND

E — E — ELECTRIC CABLES SD — SD — STORM DRAIN
A — A — AERIAL CABLES G — G — GAS MAIN
T — T — TELEPHONE CABLES W — W — WATER MAIN
F — F — FIBER-OPTIC S — S — SEWER MAIN

GEOMETRIC LEGEND

— — — — — EXISTING
— — — — — PROPOSED

BY: thompson

PLOTTED: Wednesday, April 30, 2008 AT 03:23 PM
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